



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Administration
DIVISION OF LEGAL SERVICES
One Capitol Hill, 4th Floor
Providence, RI 02908-5890

Tel: (401) 222-8880
Fax: (401) 222-8244

June 19, 2015

VIA FIRST CLASS MAIL AND ELECTRONIC MAIL:

Luly E. Massaro
Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, Rhode Island 02888

RE: Commission's First Set of Data Requests Directed to Rhode Island Office of Energy Resources (June 11, 2015) – Docket 4513

Dear Ms. Massaro:

Enclosed for filing on behalf of the Rhode Island Office of Energy Resources is an original and ten (10) copies responding to the Commission's First Set of Data Requests Directed to Rhode Island Office of Energy Resources (June 11, 2015) – Docket 4513.

Electronic copies of the filing were sent to all persons named on the attached Service List.

Thank you for your assistance.

Sincerely,

Daniel W. Majcher, Esq.

DWM/njr

Enclosure

c. Docket 4513 Service List

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION

IN RE: THE NARRAGANSETT ELECTRIC :
COMPANY D/B/A NATIONAL GRID STREET : DOCKET NO. 4513
LIGHT METERING PILOT PROPOSAL :

PUBLIC UTILITIES COMMISSION'S
FIRST SET OF DATA REQUESTS DIRECTED TO OFFICE OF ENERGY RESOURCES
(Issued June 11, 2015)

1-1. Will OER support inclusion of Phase 3 of the DOT pilot in this pilot? Why or why not?

RESPONSE:

OER will support inclusion of Phase III – DOT Park and Ride locations, which will add flexibility in terms of testing various dimming schedules during the pilot period while minimizing necessary traffic disruptions.

1-2. Please explain how each phase of the DOT pilot will meet each of the three goals of the metering pilot proposed in this docket, namely, meter accuracy, the ability to integrate data into National Grid's billing system, and a comparison of metered to unmetered rates.

RESPONSE:

Phase I (I-295, exit 7) installations have been completed and include LED fixtures with metering-capable controllers, thereby addressing each of the three metering pilot goals listed. Phase II (\approx 1,600 highway streetlights) will span multiple locations across the state and provide additional information related to the three proposed goals. Phase III (Park and Ride locations) will add additional flexibility to test various dimming schedules. All DOT locations that were proposed to be part of the light metering pilot are already utility metered.

On the metering side, existing controllers (Phase I) are calibrated to between 1-2% accuracy by default; in Phases II and III, controllers will be calibrated to .5% accuracy.

Regarding National Grid's billing system, the three proposed phases have 44 clusters of street lights – using 44 utility meters – across 17 Rhode Island municipalities. This dispersion and the variety of dimming schedules should provide sufficient information to the utility in order to integrate into their billing system.

In terms of metered to unmetered rates, DOT accounts will provide unique insight to perform comparative analysis between aggregated consumption that installed utility meters measure to unmetered energy consumption calculations.